



LEGEND

Dry or frost proof hydrant with fire department pumper connection (number of horns indicates number of hose outlets).

Automatic sprinkler point of distribution.

Outside screw and yoke valve (OS&Y).

Standpipe.

Elevators or stairs complete in all floors and without enclosures.

2 1/2 in. HCS Hose connections.

Check valve (Detector check or back flow preventer when indicated).

Wall type (FD).

Gate valve, non-indicating stem or relief valve.

Alarm check valve.

FD or Fire department pumper connection.

Fire pump.

Dry pipe valve with quick opening device.

Flow alarm.

Deluge valve, rate of rise or preaction type valves.

All dimensions are given in feet unless otherwise noted.
All suspended ceilings are non-combustible on steel frame unless otherwise noted.

SPRINKLER SYSTEM DATA

RISER LOCATION	Type Riser	Temp. Rating (°F)	Temp. Class (°F)	HYDRAULICALLY DESIGNED SYSTEM DATA			
				Design Pressure (PSI)	Design Flow (GPM)	Design Flow (GPM)	Design Flow (GPM)
Section A (Main Hallway Floor)				0.15	1000	302	127
Section A (Power Source)				0.15	1000	300	140
Section B (Concourse Floor)				0.15	1000	305	142
Section C (Basketball Floor)				0.15	1000	287	137
Section D (Weight Room)				0.15	1000	265	68
Section A (Lobby Floor)				0.15	1000	244	147
Section B (Lobby Floor)				0.15	1000	375	190
Section C (Main Hallway Floor)				0.15	1000	411	138
Section D (Biking Room)				0.20	2000	723	71
Section D (Cinema Room)				0.20	2000	648	141
Section A (Seating Area)				0.11	1000	306	144
Section B (Seating Area)				0.11	1000	337	139
Section C (Seating Area)				0.11	1000	325	96
Section D (Seating Area)				0.11	1000	343.4	109
Section A (Concourse Spk)				0.10	1000	457.9	143.1
Section B (Concourse Spk)				0.15	1000	554.5	114.5
Section C (Concourse Spk)				0.10	1000	471.1	103.8
Section D (Concourse Spk)				0.10	1000	501.5	126.4
Section A & D Hall (Balk)				0.15	1000	692.5	157.3
Section B & C Hall (Balk)				0.15	1000	693.1	142.8
Apex Bldg				0.10	1000	423	123

REVISIONS

DR	CH	DATE	CHANGES MADE
CHD		Aug 5-09	For Interm Risk Evaluation of D. Kiser Jul-18-09
MSS		Feb-16-08	For Fire Response Risk Evaluation of R.J. Muren May-2-05

City of Memphis, Tennessee.
The County of Shelby
"Tennessee, Tennessee Hoops, LLP"
Memphis, Tennessee

Sketch From R.J. Muren
May 9, 2005

Scale : 1in = 50ft
By MSS

FACTORY MUTUAL INSURANCE COMPANY

Engineering Plan Services

500 RIVER RIDGE DRIVE, NORTWOOD, MASS. 01952

INDEX

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3/3

